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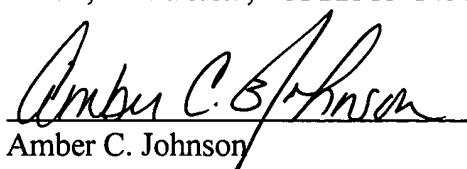


## EXPRESS MAIL CERTIFICATE

Certificate  
OCT 10 2006  
of Correction

"Express Mail" Label No. : EV 517 993 499 US  
Patent No. : 6,996,476 B2  
Applicant(s) : Kayvan Najarian  
Issue Date : February 7, 2006  
Title : METHODS AND SYSTEMS FOR GENE EXPRESSION ARRAY ANALYSIS  
Examiner : Shubo Zhou  
Group Art Unit : 1631  
Type of Document(s) : Express Mail Certificate;  
Transmittal Form;  
Request for Certificate of Correction of Patent for  
Applicants Mistake (37 C.F.R. § 1.323) and PTO  
Mistakes (37 C.F.R. § 1.322(a)) (*in duplicate*);  
Certificate of Correction (PTO/SB/44) (*in duplicate*);  
Credit Card Payment Form (PTO-2038) in amount of  
\$100; and  
Return Postcard

I hereby certify that the documents identified above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and are addressed to the Attention of the Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Amber C. Johnson (signature)  
Amber C. Johnson

Date Mailed: October 3, 2006

10/05/2006 CNGUYEN 00000095 6996476

01 FC:1811

100.00 OP

46872-293662  
9235547.1

OCT 11 2006

<b>TRANSMITTAL FORM</b>		Patent Number	6,996,476 B2 (Appl. No. 10/812,726)
		Issue Date	February 7, 2006
		First Named Inventor	Kayvan Najarian
		Art Unit	1631
		Examiner Name	Shubo Zhou
Total Number of Pages in This Submission <b>1</b>		Attorney Docket Number	46872-293662

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b> Express Mail Certificate; Request for Certificate of Correction of Patent for Applicants Mistake (37 C.F.R. § 1.323) and PTO Mistakes (37 C.F.R. § 1.322(a)) ( <i>in duplicate</i> ); Certificate of Correction (PTO/SB/44) ( <i>in duplicate</i> ); Credit Card Payment Form (PTO-2038) in amount of \$100; and Return Postcard		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	Kilpatrick Stockton LLP		
Signature			
Printed Name	Cynthia B. Rothschild		
Date	10-3-2006	Reg. No.	47,040

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OCT 11 2006



Express Mail Label No. EV 517 993 499 US  
Patent No. 6,996,476 B2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentees : Kayvan Najarian  
Patent No. : 6,996,476 B2  
Issued : February 7, 2006  
Title of Invention : METHODS AND SYSTEMS FOR GENE EXPRESSION ARRAY ANALYSIS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION**  
**OF PATENT FOR APPLICANT'S MISTAKE (37 C.F.R. § 1.323) AND FOR**  
**PTO MISTAKES (37 C.F.R. § 1.322(a))**

Dear Sir:

U.S. Patent Application Number 10/812,726, from which the above-referenced patent issued, was filed on March 30, 2004. This communication is being submitted to request that a Certificate of Correction under 37 C.F.R. §§ 1.322 and 1.323 be issued for the above-referenced U.S. Patent to correct errors made by the Applicant and PTO.

A Credit Card Payment Form (PTO-2038) in the amount of \$100 is enclosed to cover the filing fee for this correction. The Commissioner is hereby authorized to charge any additional fees required by this action, or credit any overpayment, to Deposit Account No. 16-1435. A duplicate of this sheet is enclosed for that purpose.

Attached in duplicate is PTO/SB/44 stating the text of the corrections. At least one copy is suitable for printing. The exact column and line numbers where the errors are in the patent for the Applicant and PTO errors are described herein.

10/05/2006 CNGUYEN 00000095 6996476

01 FC:1811

100.00 OP

Applicant's Error:

1. Under "DETAILED DESCRIPTION"

PATENT

- a. Column 5, Line 51
- b. Column 31, Line 52

APPLICATION

- Page 8, Line 26
- Page 24, Equation 1

PTO Errors:

1. Under "DETAILED DESCRIPTION"

PATENT

- a. Column 19, Line 8
- b. Column 19, Line 29
- c. Column 22, Equation 13
- d. Column 23, Equation 17
- e. Column 23, Equation 18
- f. Column 23, Equation 19
- g. Column 24, Line 29
- h. Column 24, Equation 23
- i. Column 30, Example 2
- j. Column 32, Line 42

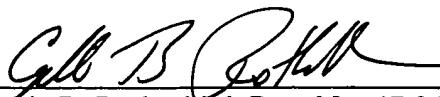
APPLICATION

- Amend. and Response mailed 4/6/2005
- Amend. and Response mailed 4/6/2005
- Page 38, Equation 13
- Page 38, Equation 17
- Page 38, Equation 18
- Page 39, Equation 19
- Page 40, Line 20
- Page 40, Equation 23
- Page 50, Example 2
- Amend. and Response mailed 4/6/2005

The corrections requested above, as stated in Form PTO/SB/44, involve no new matter.

Please direct any questions regarding this request, and send the Certificate of Correction, to the undersigned.

Respectfully submitted,

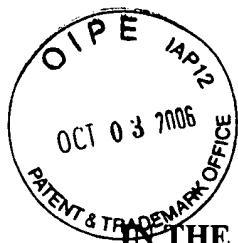
  
\_\_\_\_\_  
Cynthia B. Rothschild, Reg. No. 47,040

Date: October 3, 2006  
Kilpatrick Stockton LLP  
1001 West Fourth Street  
Winston-Salem, NC 27101  
(336) 747-7541 phone  
(336) 607-7500 facsimile

01 FC:1811

100.00 OP

46872-293662  
9235719.1



Express Mail Label No. EV 517 993 499 US  
Patent No. 6,996,476 B2

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patentees : Kayvan Najarian  
Patent No. : 6,996,476 B2  
Issued : February 7, 2006  
Title of Invention : METHODS AND SYSTEMS FOR GENE EXPRESSION ARRAY ANALYSIS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION**  
**OF PATENT FOR APPLICANT'S MISTAKE (37 C.F.R. § 1.323) AND FOR**  
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Attached in duplicate is PTO/SB/44 stating the text of the corrections. At least one copy is suitable for printing. The exact column and line numbers where the errors are in the patent for the Applicant and PTO errors are described herein.

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- Page 24, Equation 1

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- e. Column 23, Equation 18
- f. Column 23, Equation 19
- g. Column 24, Line 29
- h. Column 24, Equation 23
- i. Column 30, Example 2
- j. Column 32, Line 42

APPLICATION

- Amend. and Response mailed 4/6/2005
- Amend. and Response mailed 4/6/2005
- Page 38, Equation 13
- Page 38, Equation 17
- Page 38, Equation 18
- Page 39, Equation 19
- Page 40, Line 20
- Page 40, Equation 23
- Page 50, Example 2
- Amend. and Response mailed 4/6/2005

The corrections requested above, as stated in Form PTO/SB/44, involve no new matter.

Please direct any questions regarding this request, and send the Certificate of Correction, to the undersigned.

Respectfully submitted,

  
\_\_\_\_\_  
Cynthia B. Rothschild, Reg. No. 47,040

Date: October 3, 2006  
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Winston-Salem, NC 27101  
(336) 747-7541 phone  
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OCT 11 2006

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO : 6,996,476 B2

Page 1 of 1

APPLICATION NO. : 10/812,726

ISSUE DATE : February 7, 2006

INVENTOR(S) : Kayvan Najarian

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

**Under DETAILED DESCRIPTION:**

Column 5, Line 51, the equation "x(t)=f(s(t))+n(t))" should read—x(t)=f(s(t))+n(t)—

Column 19, Line 8, that portion reading "Non-linear algorithms may be better suited to sin aller" should read — Non-linear algorithms may be better suited to smaller --

Column 19, Line 29, that portion reading "Altough not as accurate as the original ICA," should read -- Although not as accurate as the original ICA, --

Column 22, Equation 13 that reads " $\epsilon(t,\theta)=\hat{y}(t)-y(t|\theta)$ " should read—  $\epsilon(t,\theta)= y(t)-\hat{y}(t|\theta)$ —

Column 23, Equation 17 that reads " $\hat{y}(t|\theta)=\Phi^T(t)\theta$ " should read—  $\hat{y}(t|\theta)=\phi^T(t)\theta$ —

Column 23, Equation 18 that reads " $\Phi(t)=[-y(t-1)-y(t-2)\dots]$ " should read— $\phi(t)=[-y(t-1)-y(t-2)\dots]$ —

Column 23, Equation 19 that reads " $\epsilon(t,\theta)=y(t)-\Phi^T(t)\theta$ " should read—  $\epsilon(t,\theta)=y(t)-\phi^T(t)\theta$ —

Column 24, Line 29, the phrase " $\theta$  and  $\Phi(t)$ " should read— $\theta$  and  $\phi(t)$ —

Column 24, Equation 23 that read " $\Phi(t)=[-Y(t-1)-Y(t-2)\dots-Y(t-n)]^T$ " should read— $\phi(t)=[-Y(t-1)-Y(t-2)\dots-Y(t-n)]^T$ —

Column 30, Example 2, the word "Genaes" should read—Genes—

Column 31, Line 52 the equation "x(t)=f(s(t))+n(t))" should read—x(t)=f(s(t))+n(t)—

Column 32, Line 42 (Claim 18), the equation " $y_i=f(y_1, y_2, \dots, y_n, u_1, u_m)+e$ " should read—  $y_i=f(y_1, y_2, \dots, y_n, u_1, \dots, u_m)+e$ —

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Cynthia B. Rothschild  
 Kilpatrick Stockton LLP  
 1001 West Fourth Street  
 Winston Salem, NC 27106

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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OCT 11 2006

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO : 6,996,476 B2

Page 1 of 1

APPLICATION NO. : 10/812,726

ISSUE DATE : February 7, 2006

INVENTOR(S) : Kayvan Najarian

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Column 22, Equation 13 that reads "ε(t,θ)=ŷ(t)-y(t|θ)" should read-- ε(t,θ)= y(t)-ŷ(t|θ)—

Column 23, Equation 17 that reads "ŷ(t|θ)=Φ<sup>T</sup>(t)θ" should read-- ŷ(t|θ)=φ<sup>T</sup>(t)θ—

Column 23, Equation 18 that reads "Φ(t)=[-y(t-1)-y(t-2)...]" should read--φ(t)=[-y(t-1)-y(t-2)...--

Column 23, Equation 19 that reads "ε(t,θ)=y(t)-Φ<sup>T</sup>(t)θ" should read-- ε(t,θ)=y(t)-φ<sup>T</sup>(t)θ—

Column 24, Line 29, the phrase "θ and Φ(t)' should read—θ and φ(t)—

Column 24, Equation 23 that read "Φ(t)=[-Y(t-1)-Y(t-2)...-Y(t-n)]<sup>T</sup>" should read-- φ(t)=[-Y(t-1)-Y(t-2)...-Y(t-n)]<sup>T</sup>—

Column 30, Example 2, the word "Genaes" should read—Genes—

Column 31, Line 52 the equation "x(t)=f(s(t))+n(t))" should read—x(t)=f(s(t))+n(t)—

Column 32, Line 42 (Claim 18), the equation "y<sub>i</sub>=f(y<sub>1</sub>, y<sub>2</sub>,...,y<sub>n</sub>,u<sub>1</sub>,u<sub>m</sub>)+e" should read— y<sub>i</sub>=f(y<sub>1</sub>, y<sub>2</sub>,...,y<sub>n</sub>,u<sub>1</sub>,...,u<sub>m</sub>)+e—

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Cynthia B. Rothschild  
 Kilpatrick Stockton LLP  
 1001 West Fourth Street  
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